

ABSTRACT OF THE DISCLOSURE

1 A boundary-scan device to a macro is disclosed. A plurality of
2 signal paths are connected to the macro, each having a data signal
3 input end and a data signal output end for signal transmission during
4 normal mode operations. A plurality of circuitries are provided for the
5 plurality of signal paths, respectively. Each circuitry has capability of
6 capturing a signal transmission event that a signal has past through
7 one of the plurality of signal paths during test mode operations.